

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2007-XXXX

FOR
HOLIDAY FLOTELS INC. DBA PACKERS BAY MARINA
AND
U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE
SHASTA COUNTY

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This Monitoring and Reporting Program (MRP) describes requirements for monitoring the sewage and/or gray water collection and disposal system, surface water, groundwater, houseboat maintenance area, and above ground petroleum storage area at Packers Bay Marina. The Discharger shall submit monthly monitoring reports to the Regional Water Board by the end of the month following the reporting period in which samples were collected and/or observations made.

SEWAGE COLLECTION SYSTEM MONITORING

Wastewater from the marina and houseboats is pumped from houseboat pumpouts and floating sanitary facilities into a 1,000 gallon holding tank on a specially constructed barge. When the holding tank approaches capacity, the barge is moved to shore and the contents pumped into a portable truck-mounted sewage tank, which also received wastewater from land-based facilities. The portable tank is transported to a 3,200 gallons underground concrete holding tank where it is emptied. Up to 1,872 gallons of wastewater may also be pumped to an on-site wastewater treatment/disposal system.

SEPTIC TANK AND HOLDING TANK MONITORING

Septic tank maintenance inspections shall be performed at least annually. Information concerning inspections and maintenance activities (including, but not limited to, pumping, replacement, and repairs) shall be reported in the corresponding monthly monitoring report.

The contents from the holding tank, marina septic tank, and residential septic tank shall be periodically removed. The last date of service of each septic tank and holding tank and the quantity of sewage removed shall also be reported.

In addition, the Discharger shall record the quantity of sewage pumped from the marina to the holding tank and from the holding tank to the leachfield on a daily basis and report the results monthly.

LEACHFIELD MONITORING

The Discharger shall inspect the leachfields and report the presence or absence of saturated soils or standing liquid each month.

A grab sample of the septic tank effluent shall be collected semiannually prior to discharging to the marina leachfield and analyzed for the following:

Table 1 Summary of leachfield monitoring

| PARAMETER | UNITS | FREQUENCY |
|--------------------------|------------|------------|
| Kjeldahl-Nitrogen | mg/L | Semiannual |
| Nitrate-Nitrogen | mg/L | Semiannual |
| Fecal Coliform | MPN/100 mL | Semiannual |
| Formaldehyde | µg/L | Semiannual |
| Biological Oxygen Demand | mg/L | Semiannual |
| Total Suspended Solids | mg/L | Semiannual |

*Semiannual samples shall be collected in March and August each year

GROUNDWATER MONITORING

The Discharger shall install a groundwater water monitoring network, which consists of at least two downgradient monitoring wells and one background well. Groundwater monitoring wells shall be sampled for the parameters and corresponding frequency listed in Table 2.

Table 2 Summary of groundwater monitoring

| PARAMETER | UNITS | FREQUENCY |
|-------------------------|------------|-----------|
| Nitrate-Nitrogen | mg/L | Quarterly |
| Kjeldahl Nitrogen | mg/L | Quarterly |
| Total Coliform | MPN/100 mL | Quarterly |
| Fecal Coliform | MPN/100 mL | Quarterly |
| Formaldehyde | µg/L | Quarterly |
| Total Organic Carbon | mg/L | Quarterly |
| Total Dissolved Solids | mg/L | Quarterly |
| Electrical Conductivity | µmhos/cm | Quarterly |
| Dissolved Oxygen | mg/L | Quarterly |

SURFACE WATER MONITORING

Surface water samples shall be collected around the marina each month from May through September, in the general areas depicted in Attachment B, and analyzed for total and fecal coliform (Standard Method 9221 or 9222). Samples shall be collected, even if the dock configuration changes.

If any fecal coliform analysis exceeds 400/100 mL, or if the geometric mean of fecal coliform analyses taken within any 30 day period exceeds 200/100 mL, the Discharger shall immediately report the results, dye test the sewage collection system, and re-analyze all receiving water stations. Sampling shall continue daily until compliance is achieved.

STANDARD OBSERVATIONS

The marina area shall be visually inspected, at least monthly, to determine if boats are discharging gray water while moored at the facility. If gray water discharges are occurring, the vessel identification number and moorage area shall be noted and reported to the Regional Water Board. Visual observations and inspection notes shall be included in the monthly monitoring report. A log shall be kept of the water conditions with attention given to the presence or absence of:

- Floating or suspended matter
- Oil sheen or slick
- Discoloration
- Scum or foam
- Aquatic life

REPORTING

The Discharger shall arrange monitoring data in tabular form so that the date, sample type, and analytical result for each sample area is readily discernible. The data shall be summarized in such a manner to illustrate clearly compliance with the waste discharge requirements. The results of any monitoring done more frequently than required in the MRP shall be reported to the Regional Water Board.

The Discharger shall implement the above monitoring program as of the date of this Order. The Discharger shall comply with the MRP until a revised MRP is issued by the Executive Officer.

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SHASTA LAKE REPORTS, LIMITED PARTNERSHIP
DBA PACKERS BAY MARINA AND
U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE
SHASTA COUNTY

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Ordered by: _____
PAMELA C. CREEDON, Executive Officer

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